



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090051-B

**Mode:** Highway

**Status:** Submitted

### US-421

**From/Cross Street:** SR 2662 (Linville Road) in Forsyth County **Specific Improvement Type:** 16 - Modernize Roadway

**To:** West of SR 1850 (Sandy Ridge Road) in Guilford County **Project Category:** Statewide Mobility

**Length:** 9.54

**TIP#:** -

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$47,538,000

#### Description:

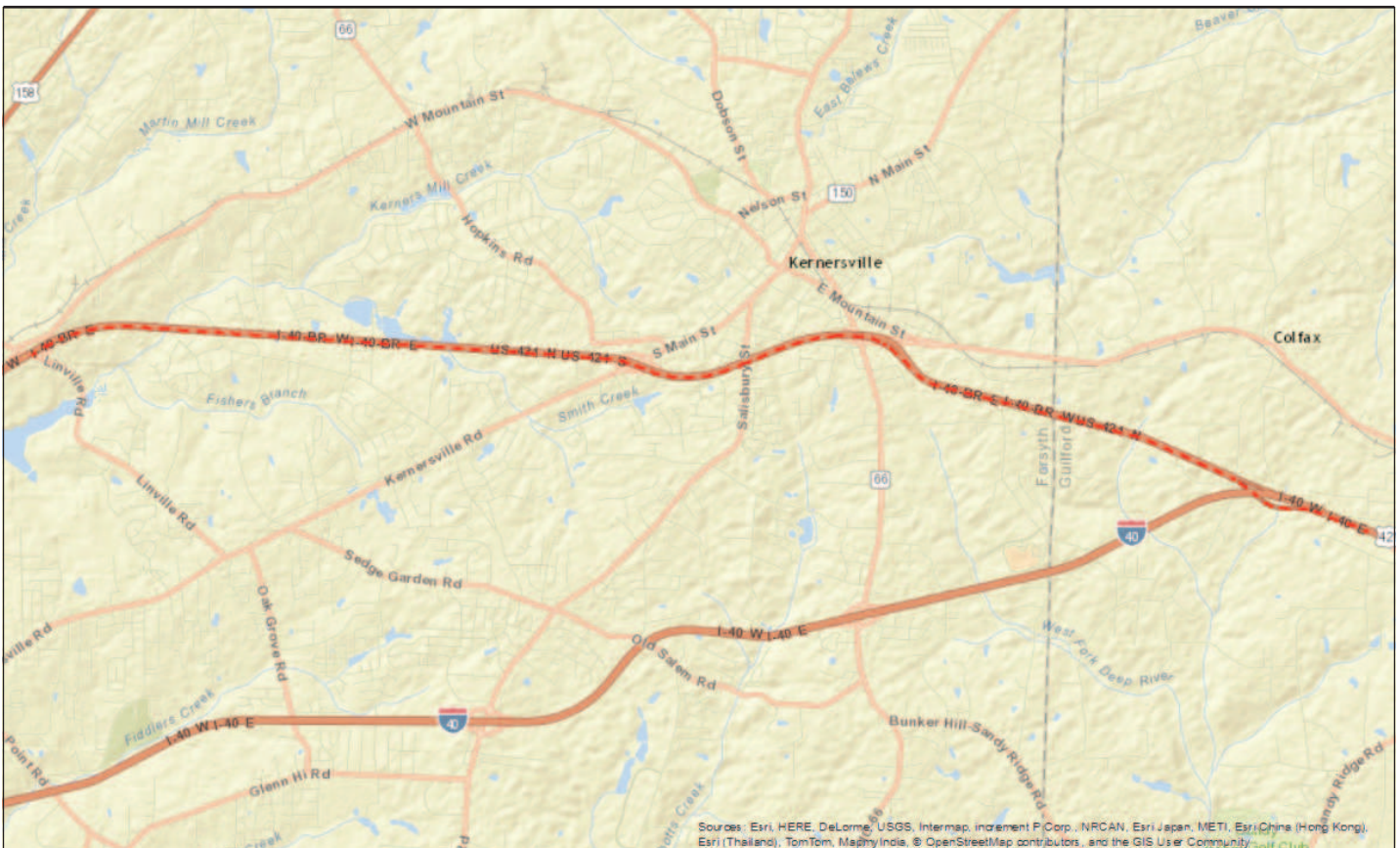
West of US 158 in Forsyth County to West of SR 1850 in Guilford County. Pavement and Bridge Rehabilitation.  
Section B: SR 2662 (Linville Road) in Forsyth County to West of SR 1850 (Sandy Ridge Road) in Guilford County..

**Division(s):** Division 9, Division 7

**County(s):** FORSYTH, GUILFORD

**MPOS(s)/RPO(s):** Winston Salem Urban Area MPO, Greensboro Urban Area MPO, High Point Urban Area MPO

#### Project Location



**Statewide Mobility Total Score: 23.46**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 58.06	N/A	N/A
Safety (10%) 27.23		
Economic Competitiveness (10%) 0.00		
Multimodal + [Freight & Military] (20%) 16.59		
[Travel Time] Benefit/Cost (30%) 0.00		
<b>Totals: Weight: 100% Weighted Score: 23.46</b>		

**Regional Impact Total Score: 22.39**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 58.06	Percent: 15% Points: 0	Percent: 15% Points: 22
Accessibility / Connectivity (10%) 18.56		
Safety (10%) 27.23		
[Travel Time] Benefit/Cost (25%) 0.00		
<b>Totals: Weight: 70% Weighted Score: 19.09</b>		

**Division Needs Total Score: 14.34**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 27.23	Percent: 25% Points: 0	Percent: 25% Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
Congestion (V/C) (20%) 58.06		
<b>Totals: Weight: 50% Weighted Score: 14.34</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	60
Length (miles):	9.54
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	49669.61
Capacity:	78022.56
Volume/Capacity Ratio:	0.64
% Autos:	93%
% Trucks:	7%
Truck Volume:	3317.21
Crash Density:	26.48
Crash Severity:	38.77
Critical Crash Rate:	16.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	93
Actual Congested Speed:	60.94
Travel Time Index:	0.99

**Project Benefits**

Project Cross-Section:	
Speed Limit:	60
Length (miles):	9.54
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 9	76%	0	0
Division 7	24%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Winston Salem Urban Area MPO	76%	0	0
Greensboro Urban Area MPO	22%	22	0
High Point Urban Area MPO	2%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>22</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$47,538,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$47,538,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$47,538,000</b>	